

# Clinical Laboratory Update

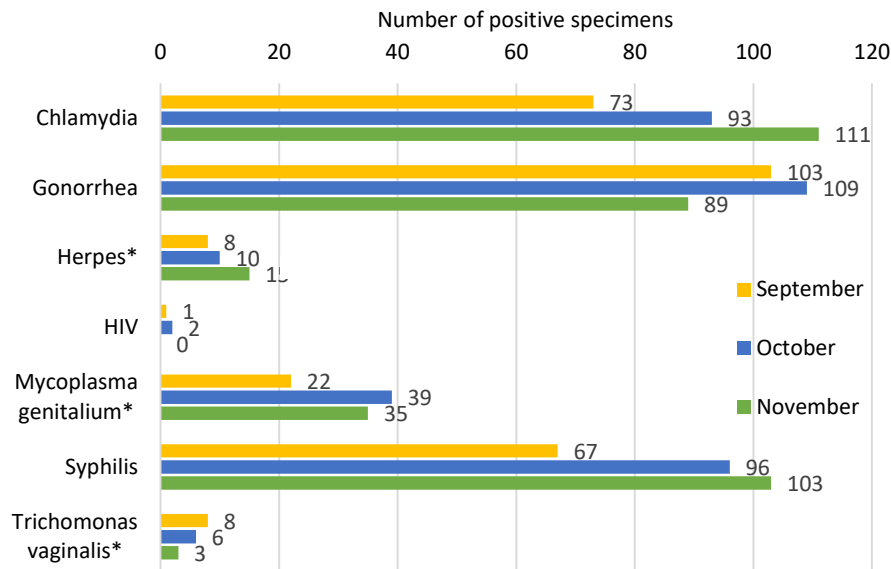
November 2019

[www.milwaukee.gov/healthlab](http://www.milwaukee.gov/healthlab)

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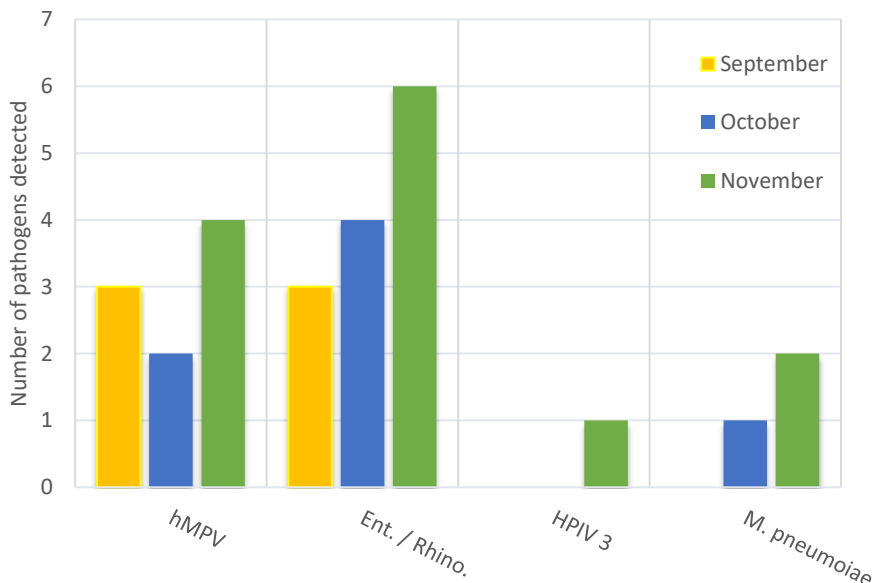
## Sexually Transmitted Infections



**Figure 1:** Positive specimens identified using molecular or serological assays for the given organism.

\*Not reportable as per WI DHS 145.04 (3) (a)

## Respiratory Infections



**Figure 2:** Pathogens detected using the Respiratory Pathogen Panel (RPP) and/or RT-PCR Influenza assay.

## From the desk of the Public Health Laboratory Director

### Happy Holidays!

As 2019 comes to a close, I would like to take the opportunity to thank you for your partnership this past year. On behalf of the City of Milwaukee Health Department Laboratory, we truly value you all as our partners in public health and look forward to continuing to collaborate with and serve you and our community in the year ahead. Best wishes to you and yours for a healthy and happy holiday season!

Sincerely,

Sanjib Bhattacharyya, PhD

Laboratory Director

Special Deputy Health Commissioner



### Upcoming MHDL Holiday closure

Please be aware that all MHD facilities will be CLOSED on **Tuesday, December 24** and **Wednesday, December 25** for the Christmas holiday and **Tuesday, December 31** and **Wednesday, January 1** for the New Year's holiday. We will return to normal business hours on Thursday, December 26 and January 2, respectively.

### Key highlights:

- Effective January 1, MHDL will discontinue performing several tests. Complete details can be found in our [October 2019 report](#).
- Last call to provide your feedback on our monthly report design! [Monthly report survey](#)

### Links to related reports:

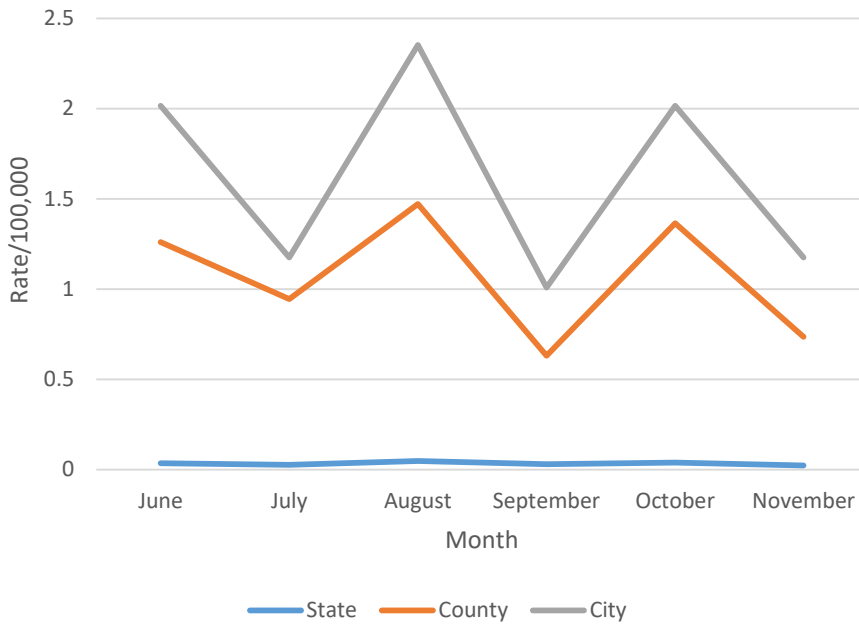
[MHD SurvNet](#)

[WI Epi Express](#)

Connect with your  
health department:



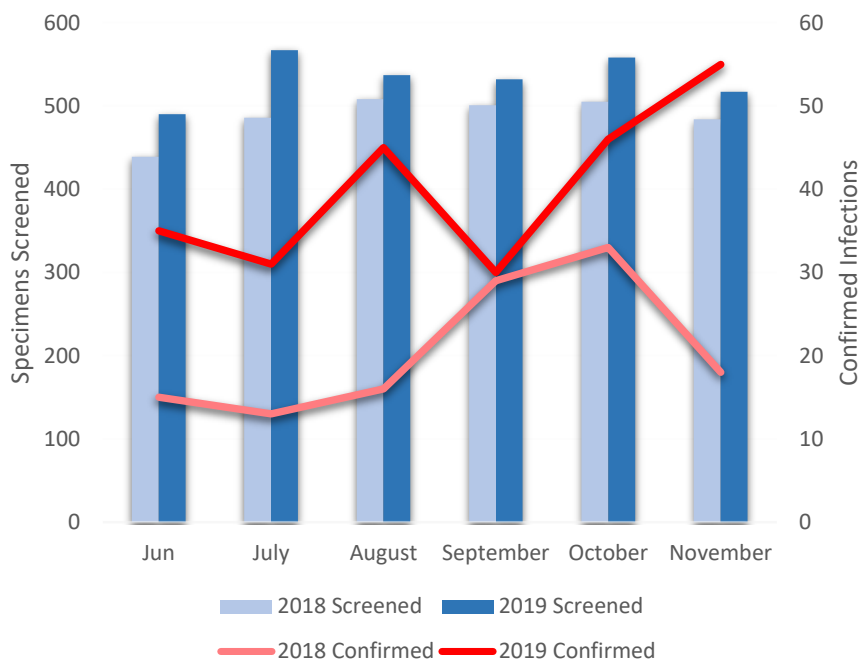
## New HIV Infections



**Figure 3:** Monthly comparison of rate of new HIV infections in the state of Wisconsin, Milwaukee County, and City of Milwaukee, using state- and county-level data obtained from the Wisconsin Department of Health Services.

For more statewide HIV data, visit: <https://www.dhs.wisconsin.gov/hiv/data.htm>.

## Syphilis Surveillance

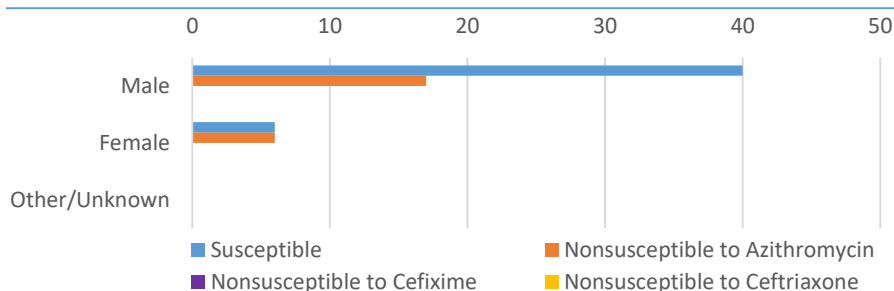


**Figure 4:** Monthly comparison of syphilis data with year over year comparisons.

*Bars:* number of specimens screened at MHDL, left axis.

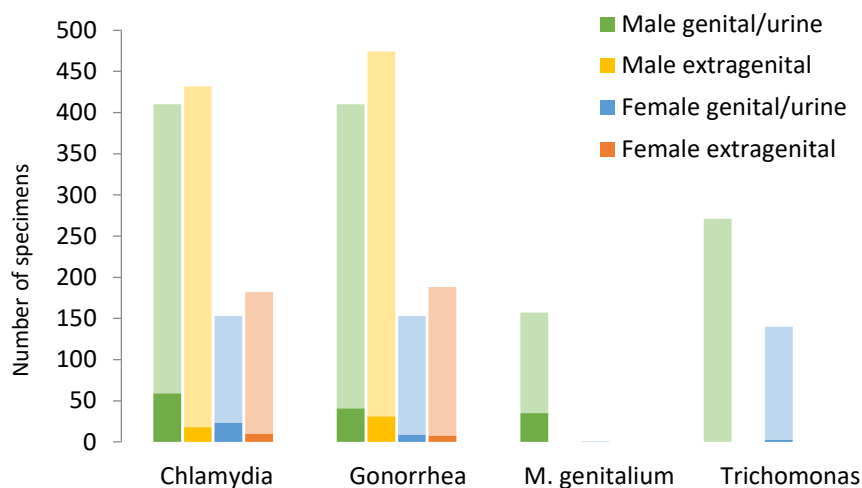
*Lines:* number of confirmed infections, right axis.

## Gonorrhea Antimicrobial Susceptibility Testing



**Figure 5:** Antibiotic susceptibility profile of Gonorrhea isolates identified in males and females. In November 2019, 23 of 69 cultures tested were found to be nonsusceptible to Azithromycin according to CLSI guidelines. MHDL tests for antibiotic resistance to Azithromycin, Ceftriaxone, Cefixime and Gentamicin.

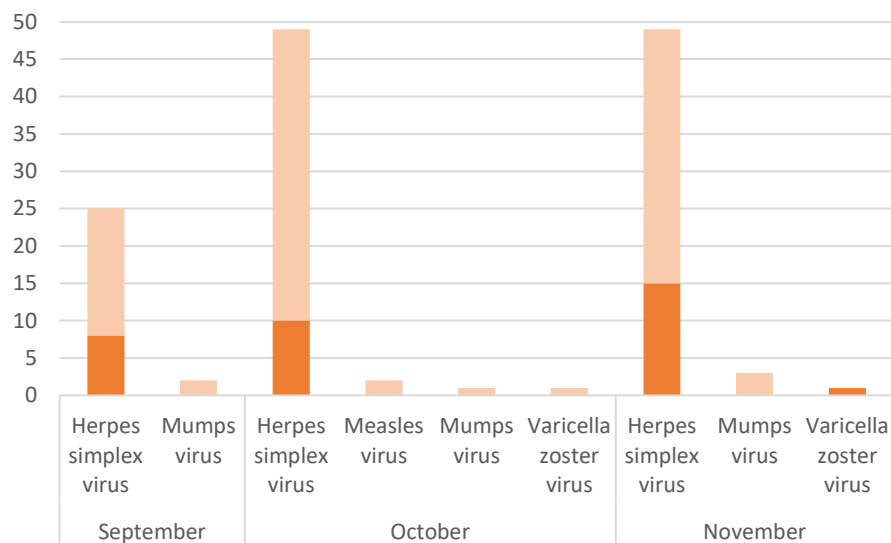
## Sexually Transmitted Infections by Source



**Figure 6:** Distribution of STIs detected using NAAT. In November 2019, 9.1% of male and 9.9% of female specimens screened were positive for Chlamydia. 8.1% of male and 5.0% of female specimens were positive for Gonorrhea. 22.3% of male and no female specimens were positive for *M. genitalium*. No male specimens and 2.1% of female specimens were positive for *Trichomonas*.

*Note: Darker bars indicate positive specimens.*

## Viral Surveillance

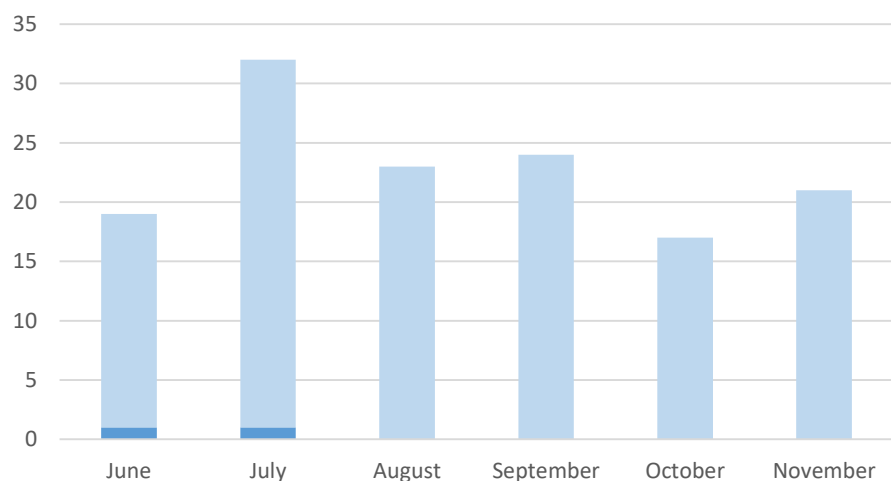


**Figure 7:** Specimens tested using molecular methods.

*Note: Height of bar indicates number of specimens tested.*

*Darker bars indicate DNA/RNA detected by virus culture, real-time PCR and/or nucleotide sequencing analysis.*

## Legionella Testing



**Figure 8:** Specimens tested using culture and molecular methods.

\*MHDL is one of the CDC ELITE certified sites for environmental *Legionella* testing. See the Winter 2019 issue of the [APHL Bridges newsletter](#) for more information.

*Note: Darker bars indicate confirmed Legionella pneumophila by culture and/or real-time PCR.*